

Fig. 1

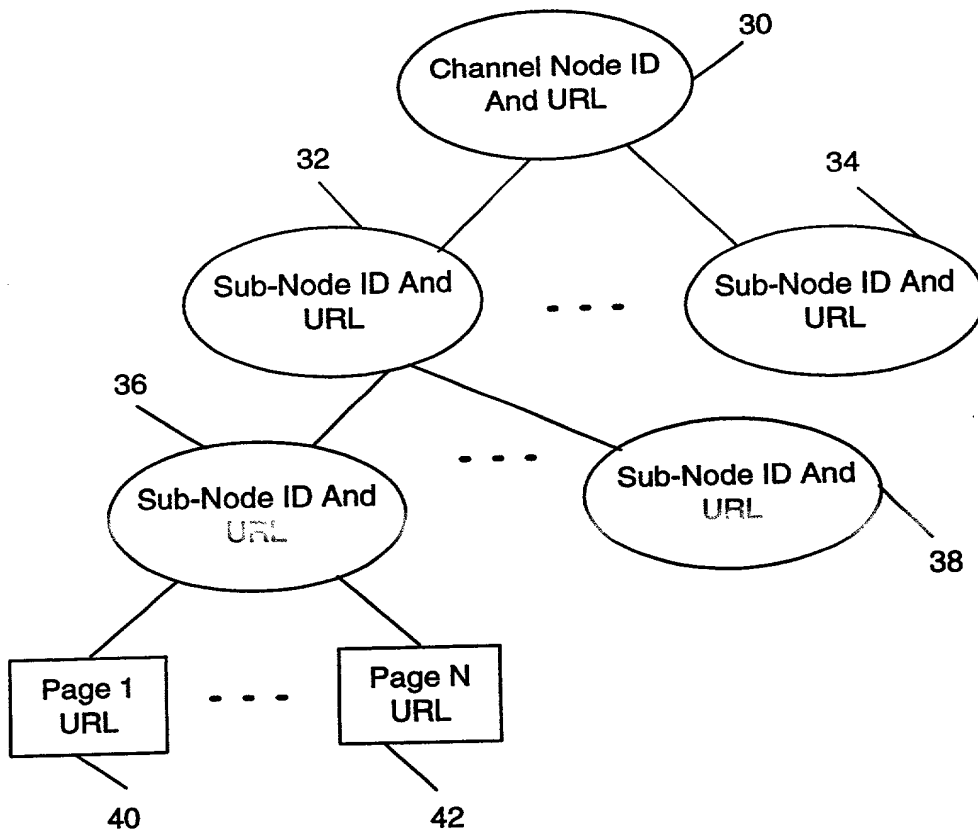


Fig. 2

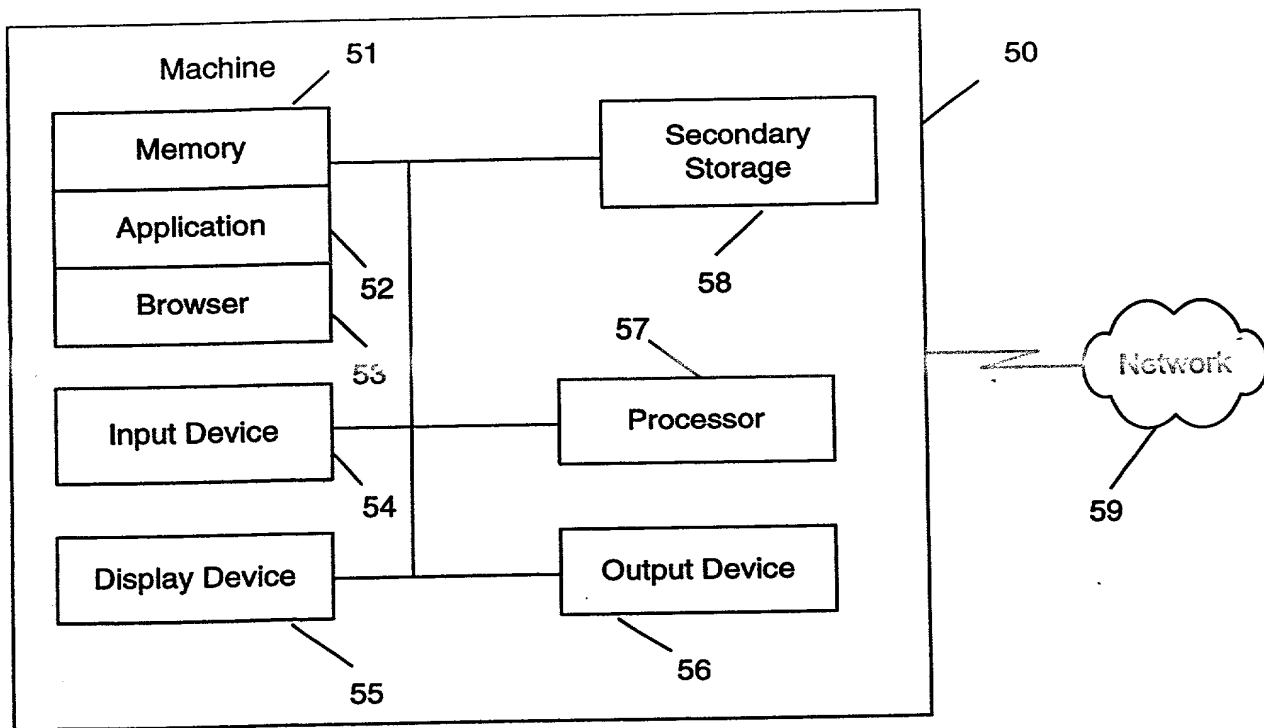


Fig. 3

60

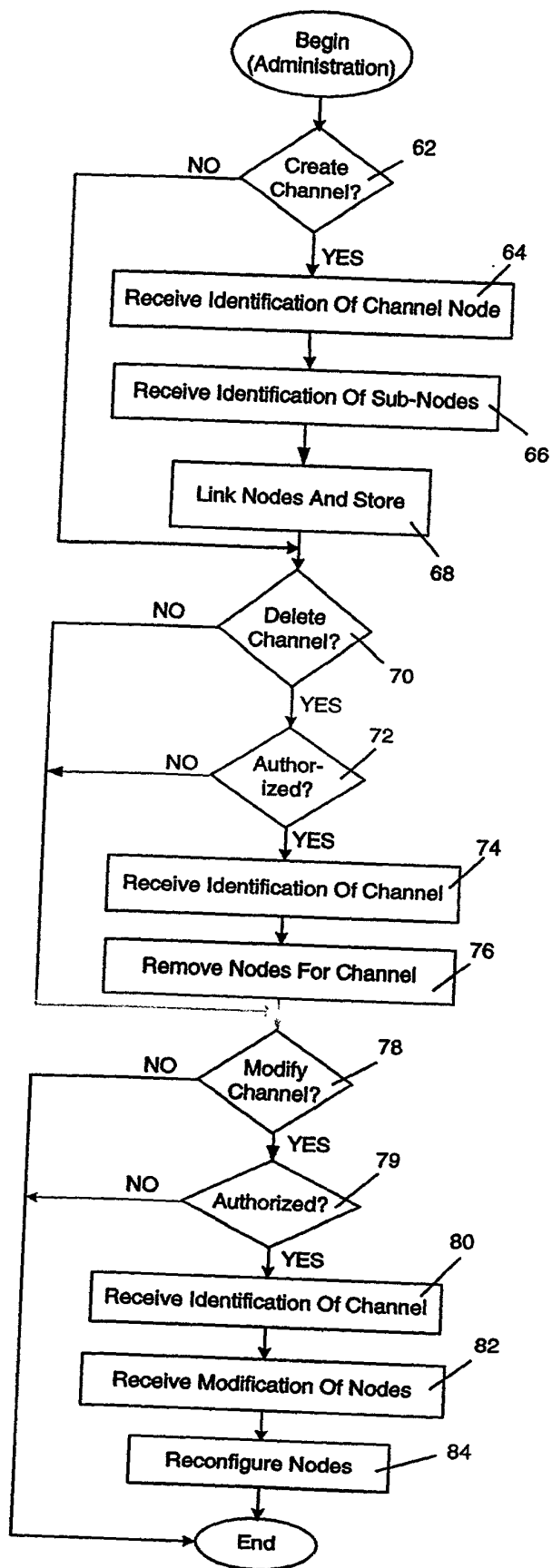


Fig. 4

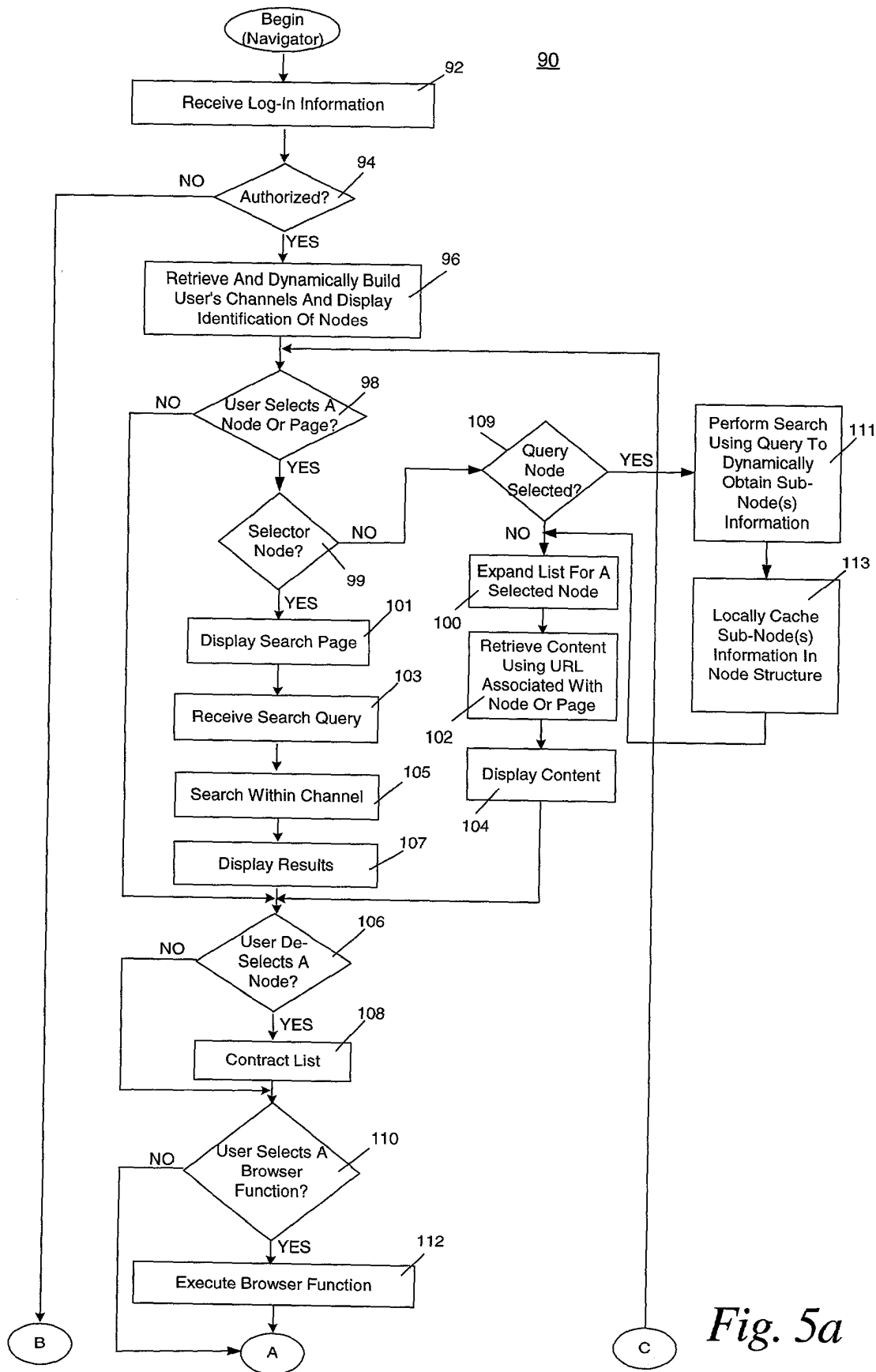


Fig. 5a

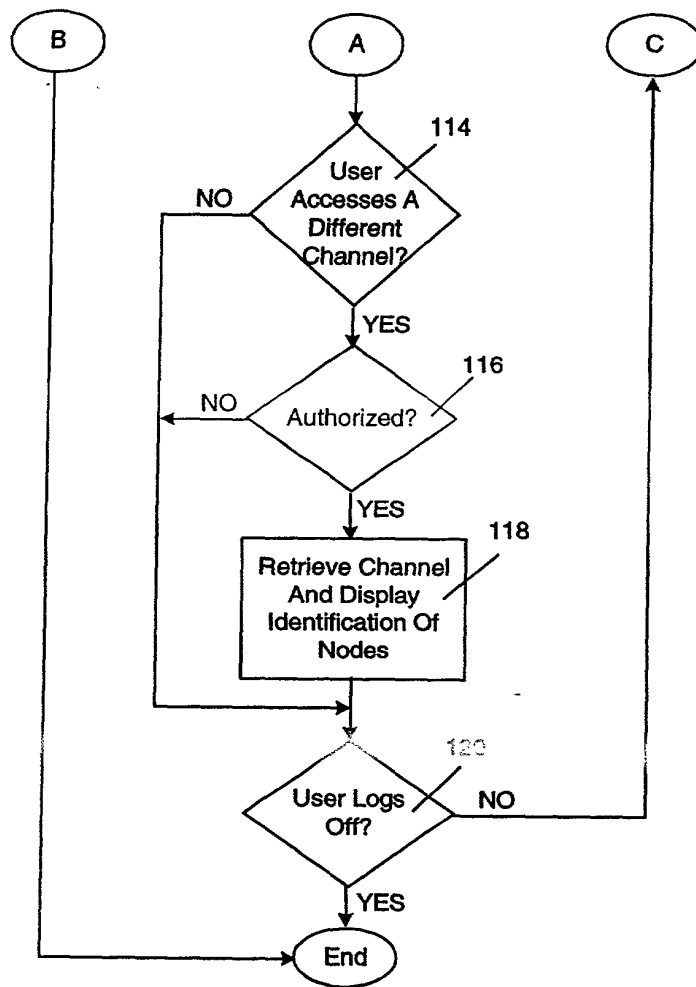


Fig. 5b

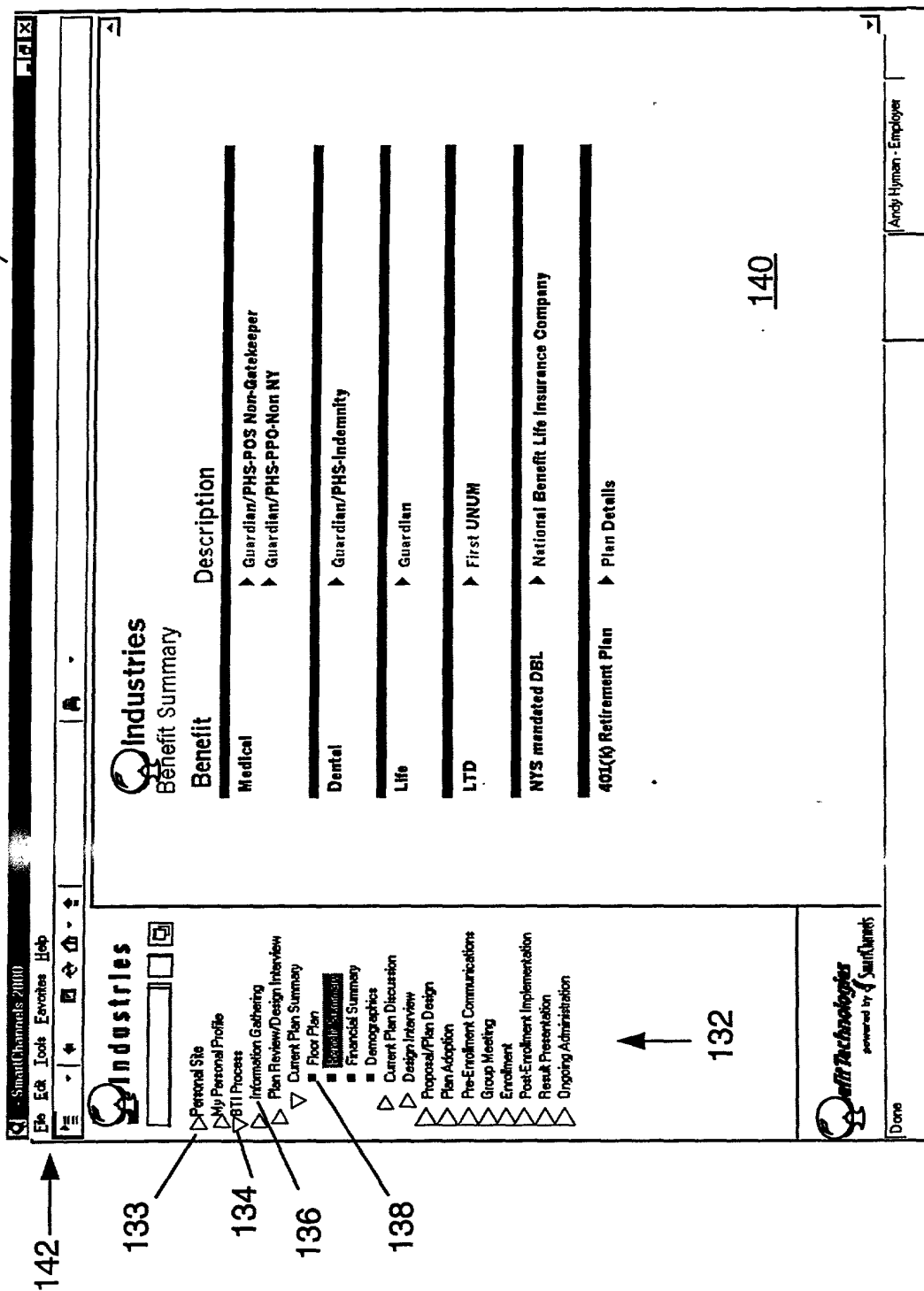


Fig. 6

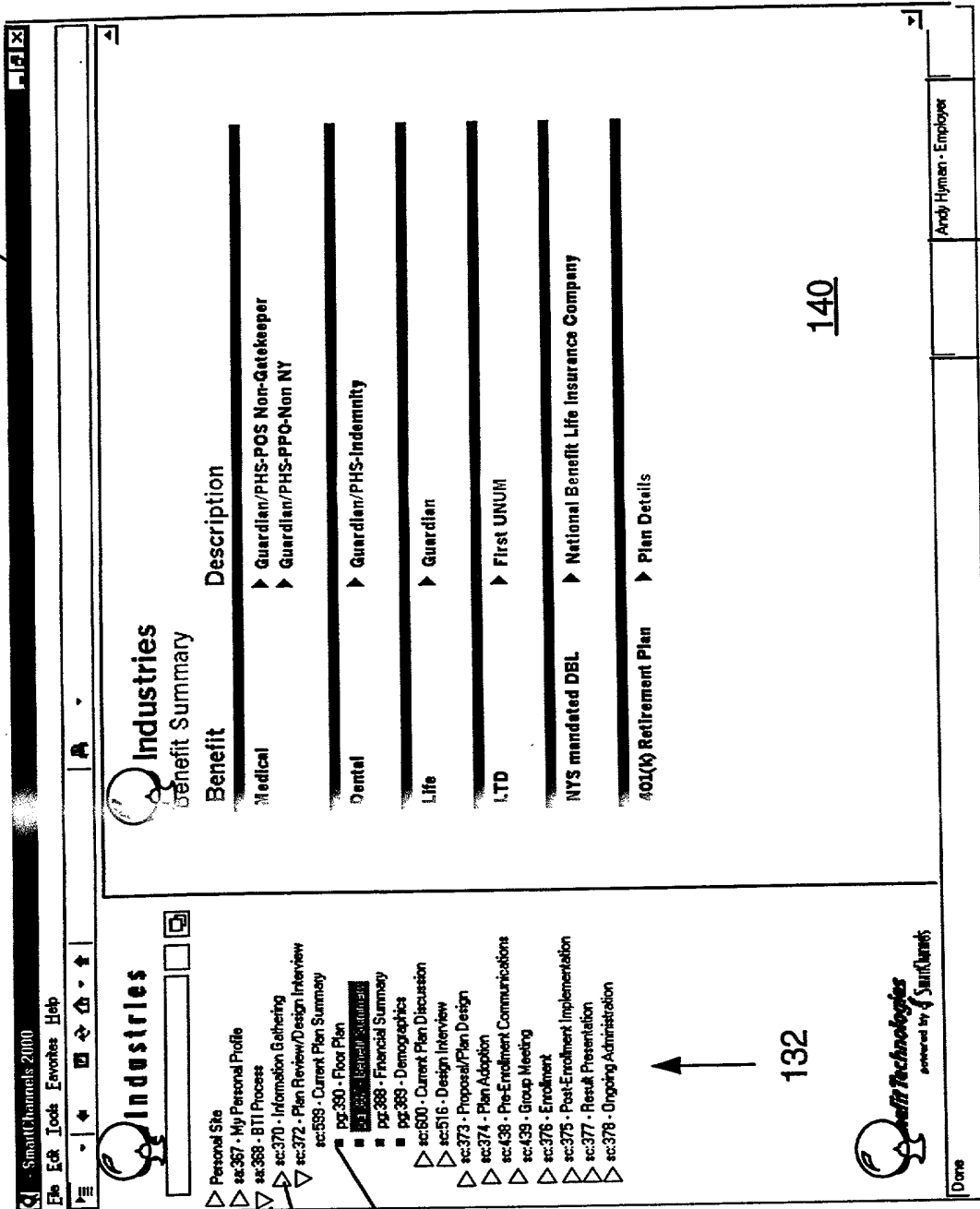


Fig. 7

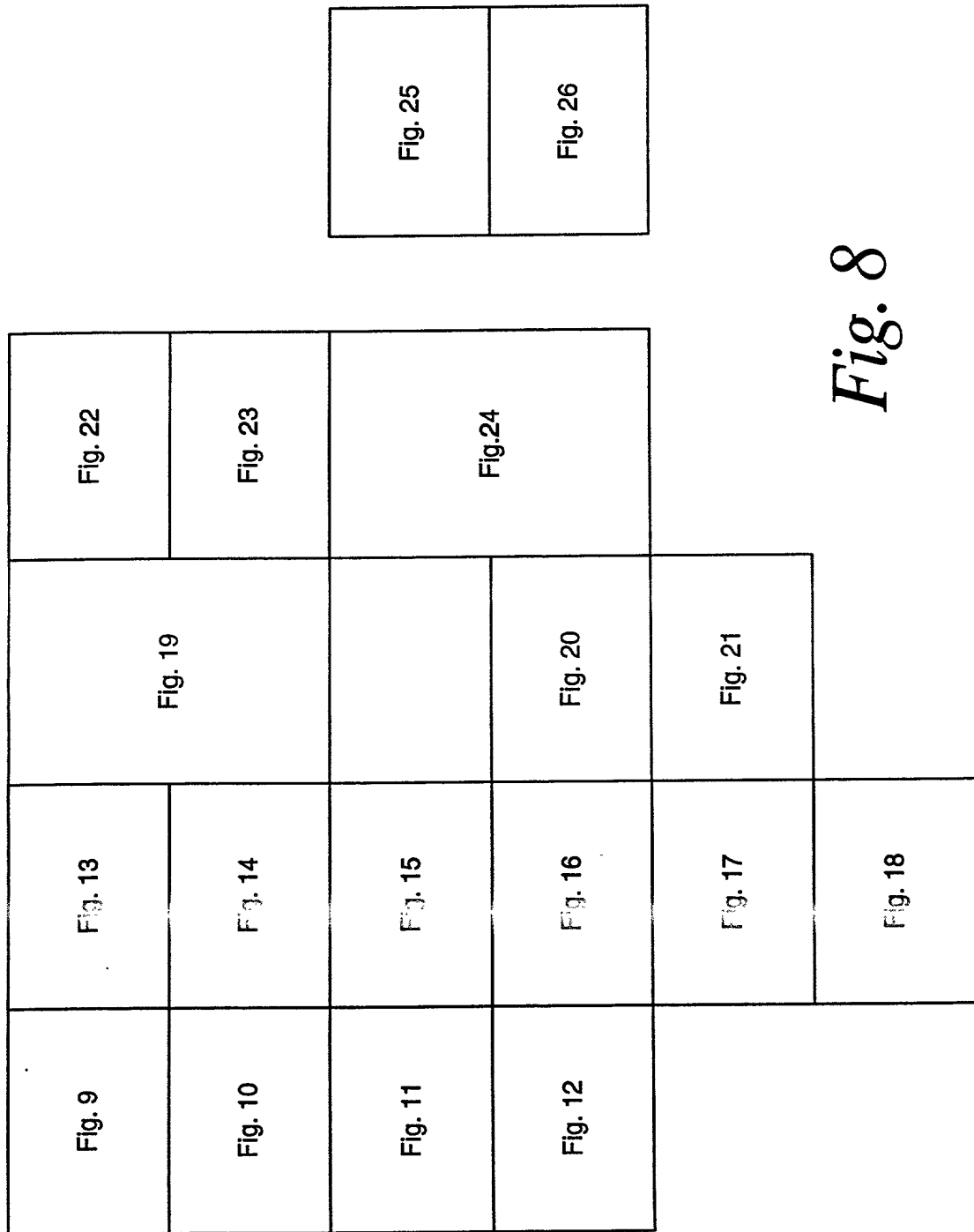


Fig. 8

SmartChannels.Net
Physical Database Schema - 9/21/00 - version 2.0

Table Types

Abbreviation	Description	Purpose
PE	Primary Entities	Tables containing primary attributes (fields) of a primary business entity or object
SE	Singular Supplemental Attributes Table, applying to Every primary entity record	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a one to one relationship with that primary business entity or object. Attributes of this type of table apply to every related primary entity record. In other words, every primary entity record has these supplemental attributes as well.
SS	Singular Supplemental Attributes Table, applying to Some or Specific types of primary entity records	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a one to one relationship with that primary business entity or object. Attributes of this type of table apply to specific types of related primary entity records, usually based on a field value within the primary entity record or may just apply to some primary entities. In other words, not every primary entity record has these supplemental attributes.
ME	Multiple Supplemental Attributes Table, applying to Every primary entity record	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a many to one relationship with that primary business entity or object. Attributes of this type of table apply to every related primary entity record. In other words, every primary entity record has these supplemental attributes as well.
MS	Multiple Supplemental Attributes Table, applying to Some or Specific types of primary entity records	Tables containing supplemental attributes (fields) of a primary business entity or object, that has a many to ^{one} relationship with that primary business entity or object. Attributes of this type of table may apply to specific types primary entity record, usually based on a field value within the primary entity record or may just apply to some primary entities. In other words, not every primary entity record has these supplemental attributes.
XL	Cross (X) Link Table	Tables which define a many to many relationship, usually between primary business entities or objects
LK	Lookup Table	Tables that describe a code or abbreviation used to represent an attribute in any other type of table.
S T	System Table	Tables developed by SmartChannels.Net containing attributes (fields) which can drive system objects in the application
CL	Core Logic System Table	Tables developed by Core Logic containing attributes (fields) which can drive system objects in the application

Fig. 9

**Title: DYNAMIC CONFIGURATION OF CONTEXT-SENSITIVE
PERSONAL SITES AND MEMBERSHIP CHANNELS**

Inventor(s): Jon E. Ramer, et al.

Attorney Docket No.: 11592.02

Data Type Abbreviations

Abbreviation	MS-SQL Server 7.0 Data Type
b	binary[(n)]
vb	varbinary[(n)]
ch	char[(n)]
vch	varchar[(n)]
dt	datetime
ts	Timestamp
sdt	smalldatetime
d	decimal[(p, s)] numeric[(p, s)] Fixed Decimal
fl	float[(n)] real Floating Point Decimal
i	int Integer
si	smallint Small Integer
ti	tinyint Tiny Integer
m	money Money
sm	smallmoney Small Money
bt	bit Bit
ud	user-defined datatypes

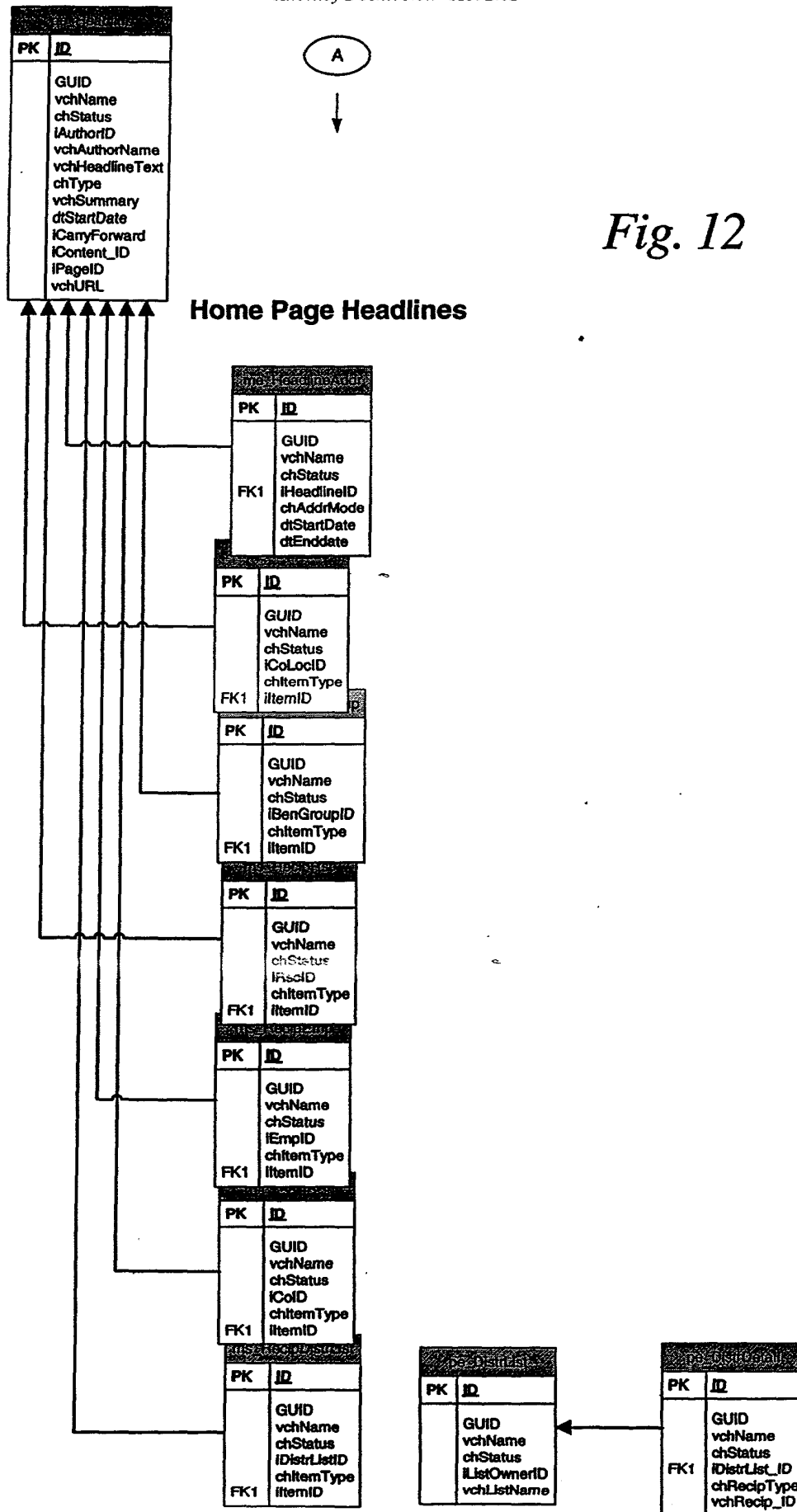
Fig. 10

General Use Abbreviations

<u>Abbreviation</u>	<u>Description</u>
n	Address
Addr	Administrator
Admin	Amount
Amt	Archive
Arch	Assistance
Ast	Average
Av	Broadcast
Bdcst	Benefit
Ben	Beneficiary
Benf	Beginning of Month
BOM	Beginning of Year
BOY	Category
Cat	Change & Changes
Chg & Chgs	Company
Co	Compensation
Comp	Coordination
Coord	Company Plan
CoPA	Contribution
Ctrb	Coverage
Cvg	Database
Db	Discount
Dct	Dependent
Dep	Description
Desc	Destination
Dest	Detail
Det	Discussion
Dis	Day of Month
DOM	Day of Year
DOY	Day & Days
Dy & Dys	Effective
Eff	Election
Elect	Eligible
Elig	Eligibility
Eligy	Employee
Emp	End of Month
EOM	End of Year
EOY	Event
Evt	Export
Exp	Fulfillment
Ffmt	Format
Fmt	Funding
Fndg	Frequency
Freq	

<u>Abbreviation</u>	<u>Description</u>
Imp	Import
Init	Initial
Ins	Insurance
Loc	Location
LTD	Life To Date
Max	Maximum
Mbr	Member
Mgmt	Management
Mgr	Manager
Min	Minimum
Mkt	Market
MktP	Marketplace
Mo & Mos	Month & Months
Mthd	Method
No	Number
OE	Open Enrollment
Ofc	Office
Ofg	Offering
Ofr	Offer
Org	Organization
Pct	Percentage
Pg	Page
Pkg	Package
Plng	Planning
Pmt	Payment
Pref	Preferred
Prim	Primary
PTO	Paid Time Off
Recip	Recipient
Req	Request
Rsc	Resource
Sched	Schedule
Sec	Secondary
SKU	Stock Keeping Unit
Src	Source
Stmt	Statement
Subj	Subject
Subs	Subsequent
Svc	Service
Svg	Saving
Tech	Technology
Term	Termination
TPA	Third Party Administrator
Ven	Vendor
Vstg	Vesting
Yr & Yrs	Year & Years
YTD	Year To Date

Fig. 11



20070220 06693001

System Tables

User Interface - Site Area, Sections & Pages

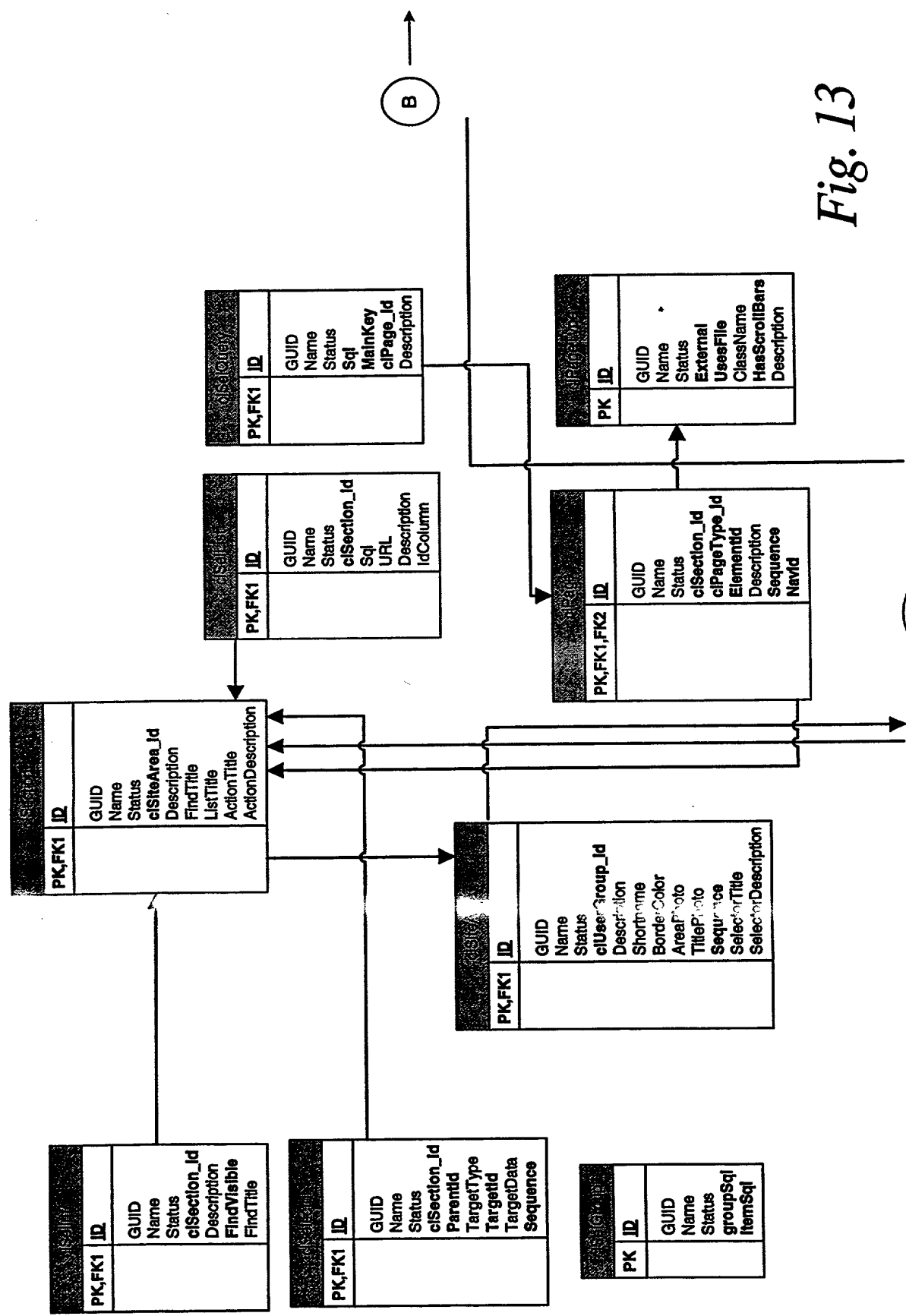
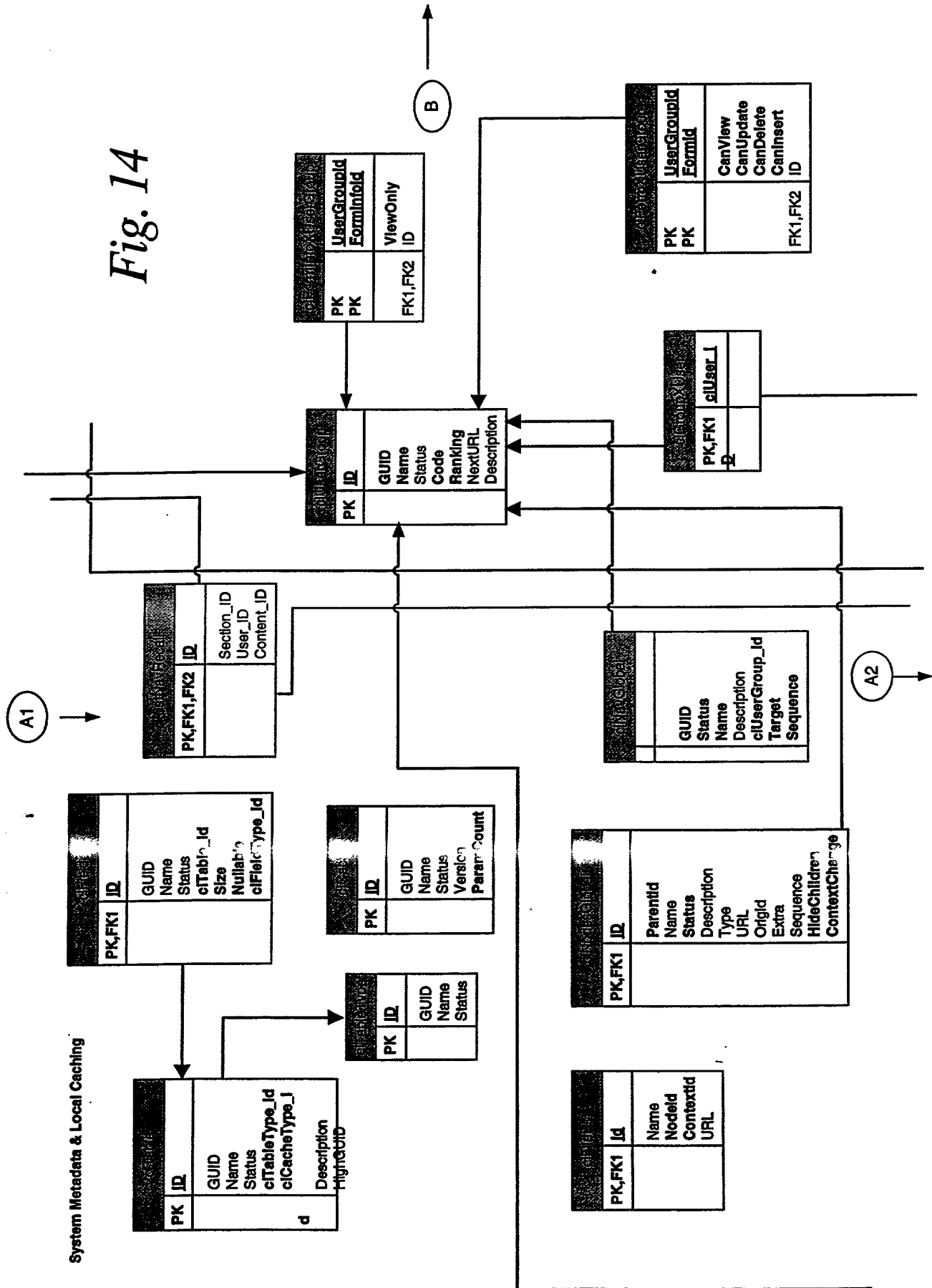
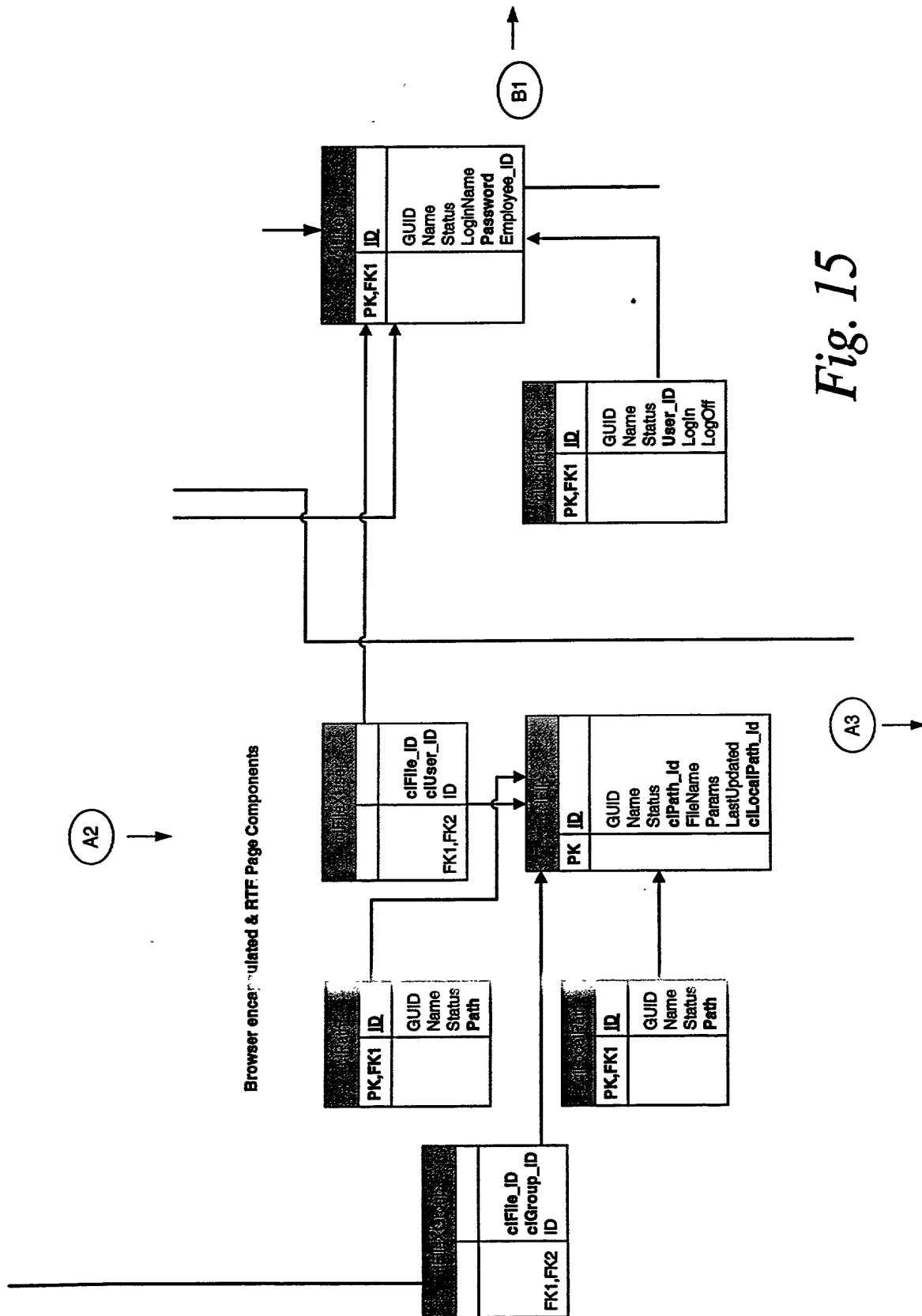
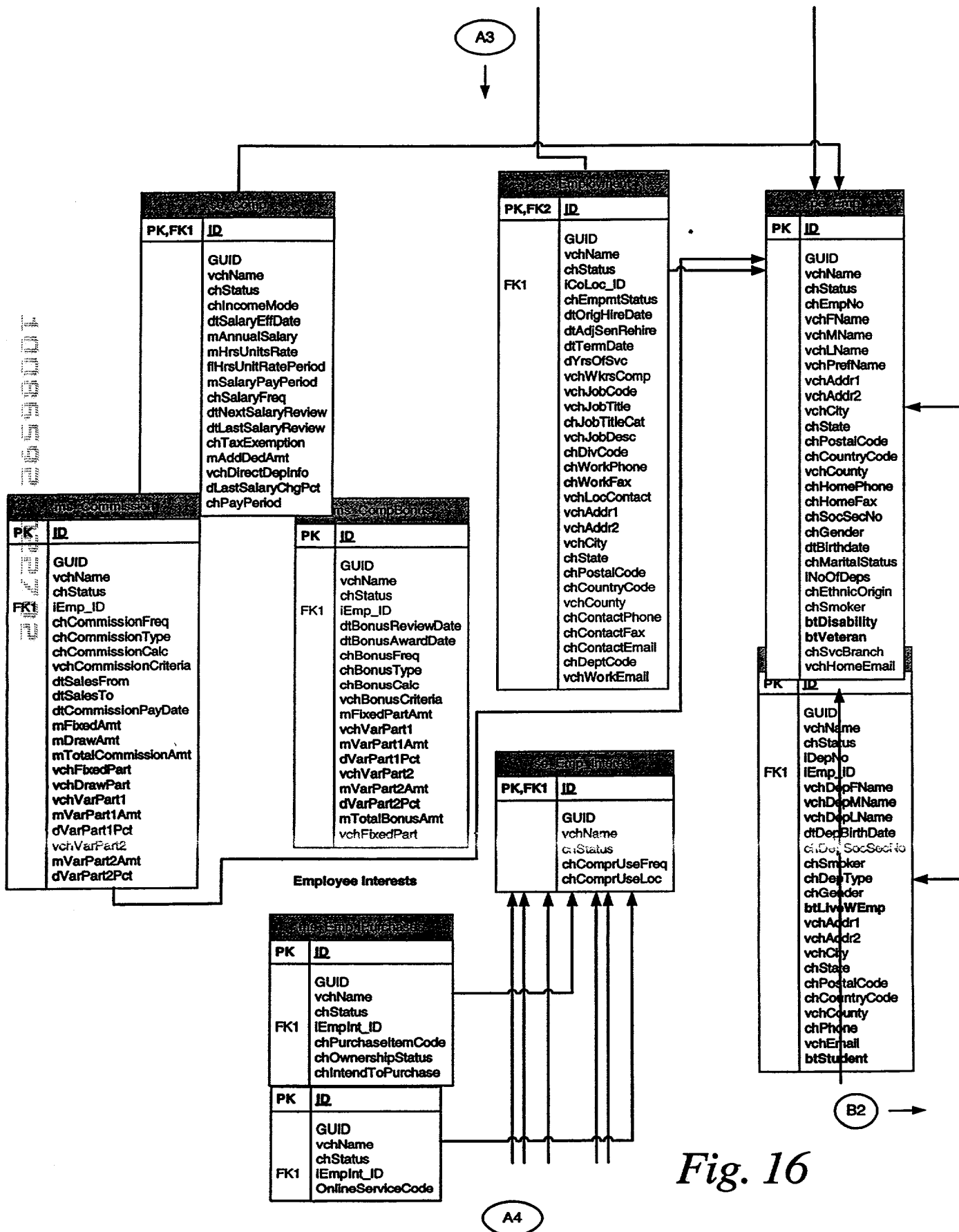


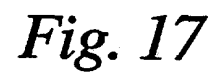
Fig. 13

Fig. 14









A5
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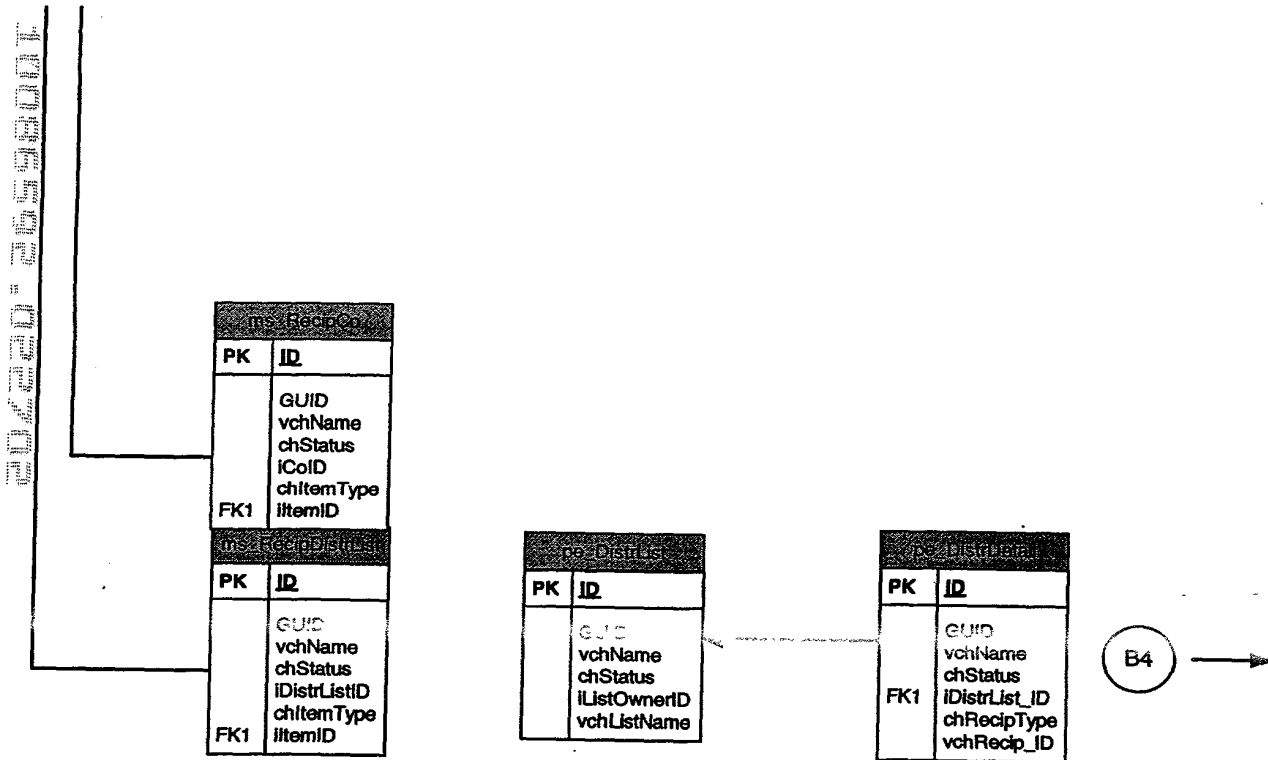


Fig. 18

Inventor(s): Jon E. Ramer, et al.
Attorney Docket No.: 11592.02

Inventor(s): Jon E. Ramer, et al.
Attorney Docket No.: 11592.02

ciFormInfo

PK, FK1, FK2, FK3, FK4, FK5	ID
GUID	Name
Status	ciForm_Id
ciSourceKey_Id	SourceId
ciControlType_Id	ciMessage_Id
ciMask_Id	Description
Required	DefaultValue
ComputedValue	Hidden
Grouping	Sequence
Size	NeedComplete
Nullable	

ciControlType

PK	ID
GUID	Name
Status	

ciSourceKey

PK	ID
GUID	Name
Status	Description

ciMask

PK	ID
GUID	Name
Status	Mask

ciForm

PK	ID
GUID	Name
Status	Description
SELECTsql	INSERTsql
UPDATEsql	DELETEsql
ReloadAfterUpdate	

ciPageTypeAction

FK1, FK2	ciPageType_Id	ciAction_Id	Id

ciFormInfo

FK1, FK2, FK3, FK4, FK5	ID
GUID	Name
Status	ciFormInfo_Id
Description	Value
Sequence	Default

ciForm

PK	ID
GUID	Name
Status	Function
Description	Sequence

Fig. 19

Fig. 19

Title: DYNAMIC CONFIGURATION OF CONTEXT-SENSITIVE
PERSONAL SITES AND MEMBERSHIP CHANNELS

Inventor(s): Jon E. Ramer, et al.

Attorney Docket No.: 11592.02

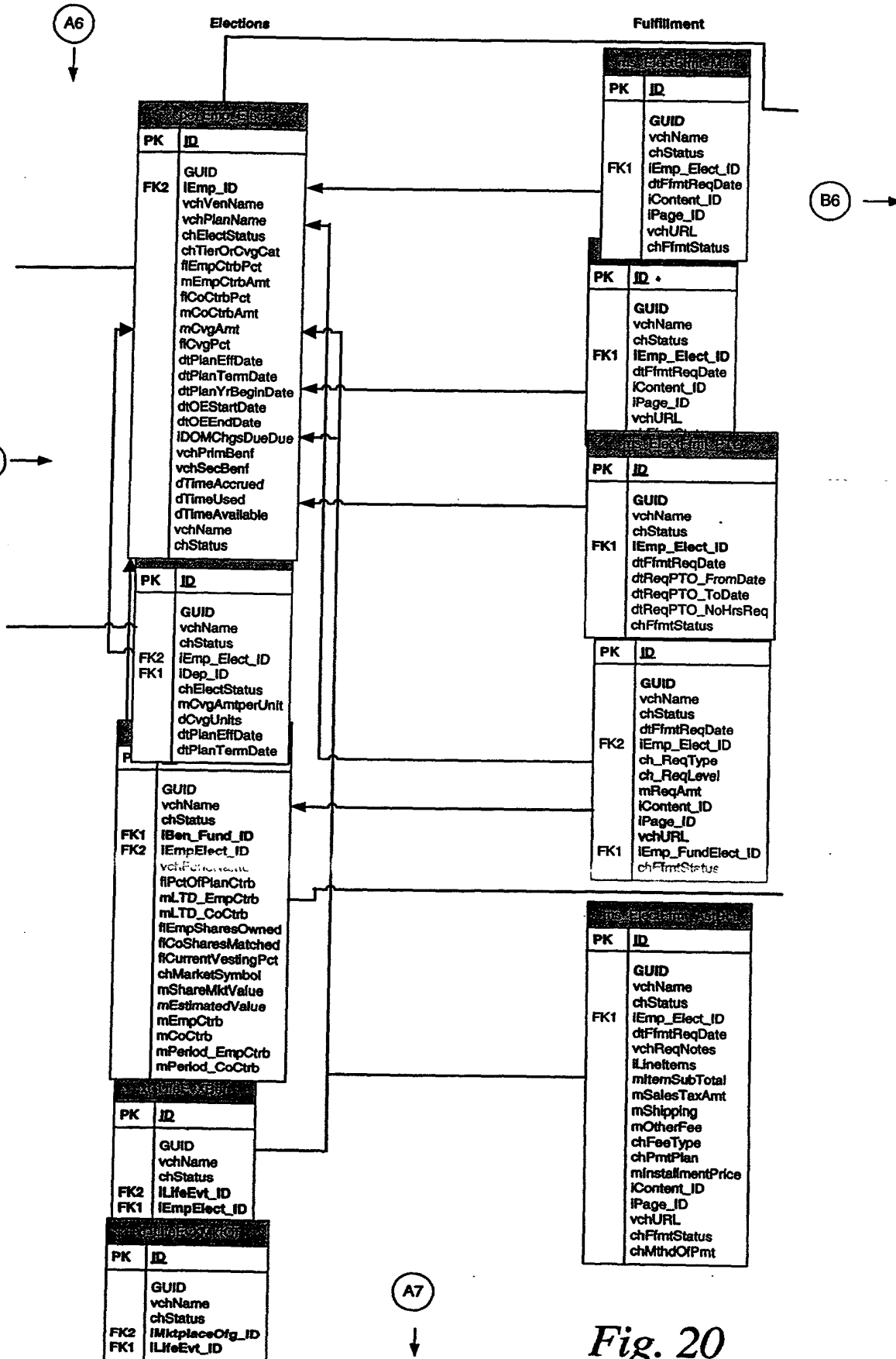
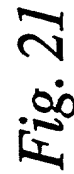
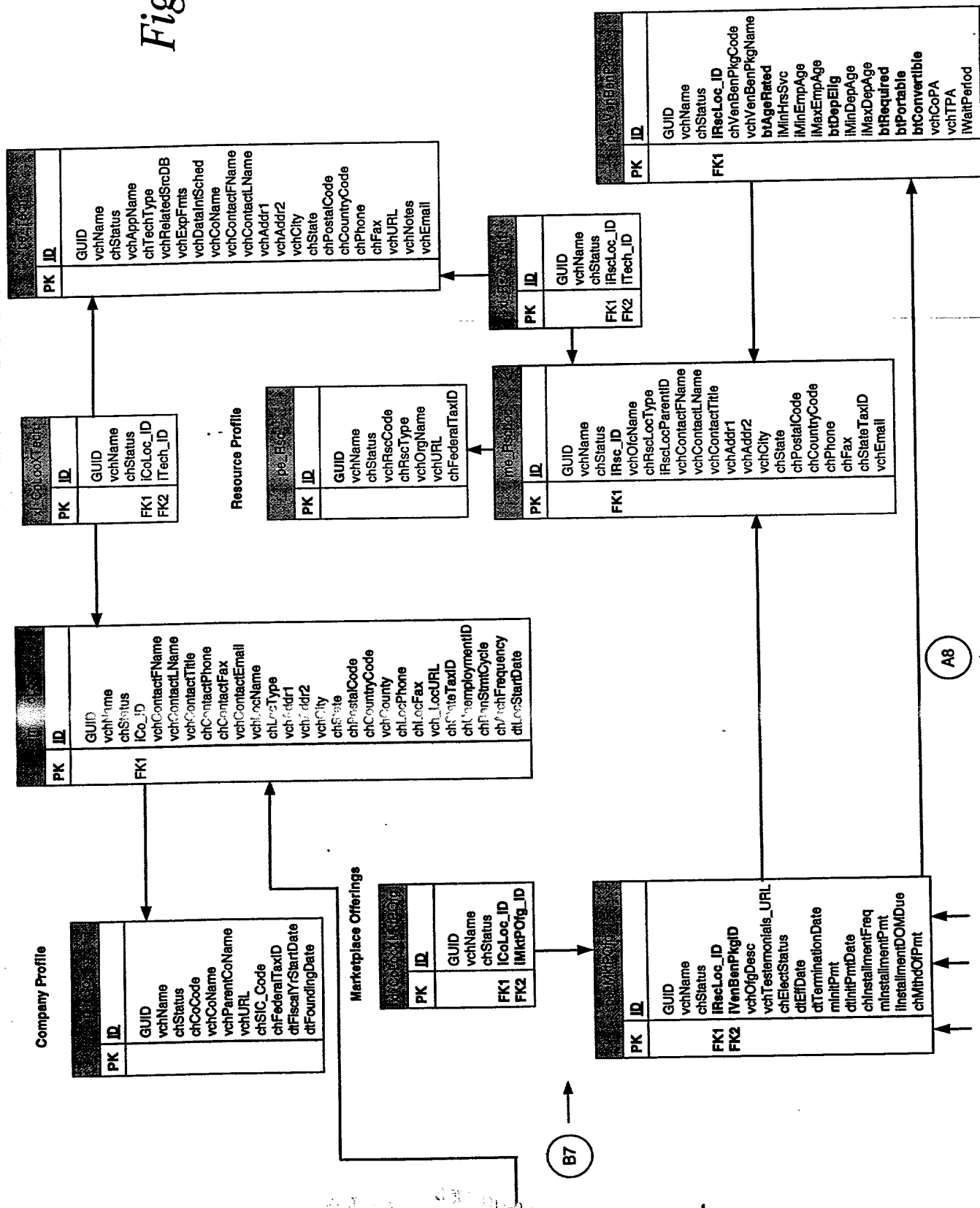
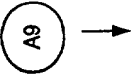


Fig. 20









Title: DYNAMIC CONFIGURATION OF CONTEXT-SENSITIVE
PERSONAL SITES AND MEMBERSHIP CHANNELS

Inventor(s): Jon E. Ramer, et al.

Attorney Docket No.: 11592.02

Lookup Tables

<table><tr><th colspan="2">lk_LookupTables</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_LookupTables		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_LookType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_LookType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_ComprUseLoc</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_ComprUseLoc		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_PkSlam</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_PkSlam		PK	ID	11	GUID chCode vchDesc
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PK	ID																										
11	GUID chCode vchDesc																										
lk_LookType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_ComprUseLoc																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_PkSlam																											
PK	ID																										
11	GUID chCode vchDesc																										
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lk_PurchaseItem																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_BonusCommType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_RecptType																											
PK	ID																										
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lk_Entertainm																											
PK	ID																										
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lk_FmtStatus																											
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lk_PurchaseOwnrShip																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_CompUseStat																											
PK	ID																										
11	GUID chCode vchDesc																										
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PK	ID																										
11	GUID chCode vchDesc																										
lk_JobTitleCat																											
PK	ID																										
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lk_Publication																											
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PK	ID																										
11	GUID chCode vchDesc																										
<table><tr><th colspan="2">lk_BonusCommCat</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_BonusCommCat		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_PmtPlan</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_PmtPlan		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_DepType</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_DepType		PK	ID	11	GUID chCode vchDesc	<table><tr><th colspan="2">lk_State</th></tr><tr><th>PK</th><th>ID</th></tr><tr><td>11</td><td>GUID chCode vchDesc</td></tr></table>	lk_State		PK	ID	11	GUID chCode vchDesc
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PK	ID																										
11	GUID chCode vchDesc																										
lk_PmtPlan																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_DepType																											
PK	ID																										
11	GUID chCode vchDesc																										
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PK	ID																										
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PK	ID																										
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lk_Coin																											
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PK	ID																										
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lk_ChrType																											
PK	ID																										
11	GUID chCode vchDesc																										
lk_Activity																											
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11	GUID chCode vchDesc																										
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PK	ID																										
11	GUID chCode vchDesc																										
lk_ComprUse																											
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11	GUID chCode vchDesc																										
lk_BdcsType																											
PK	ID																										
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lk_EmpType																											
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11	GUID chCode vchDesc																										

A10



Fig. 25

A10

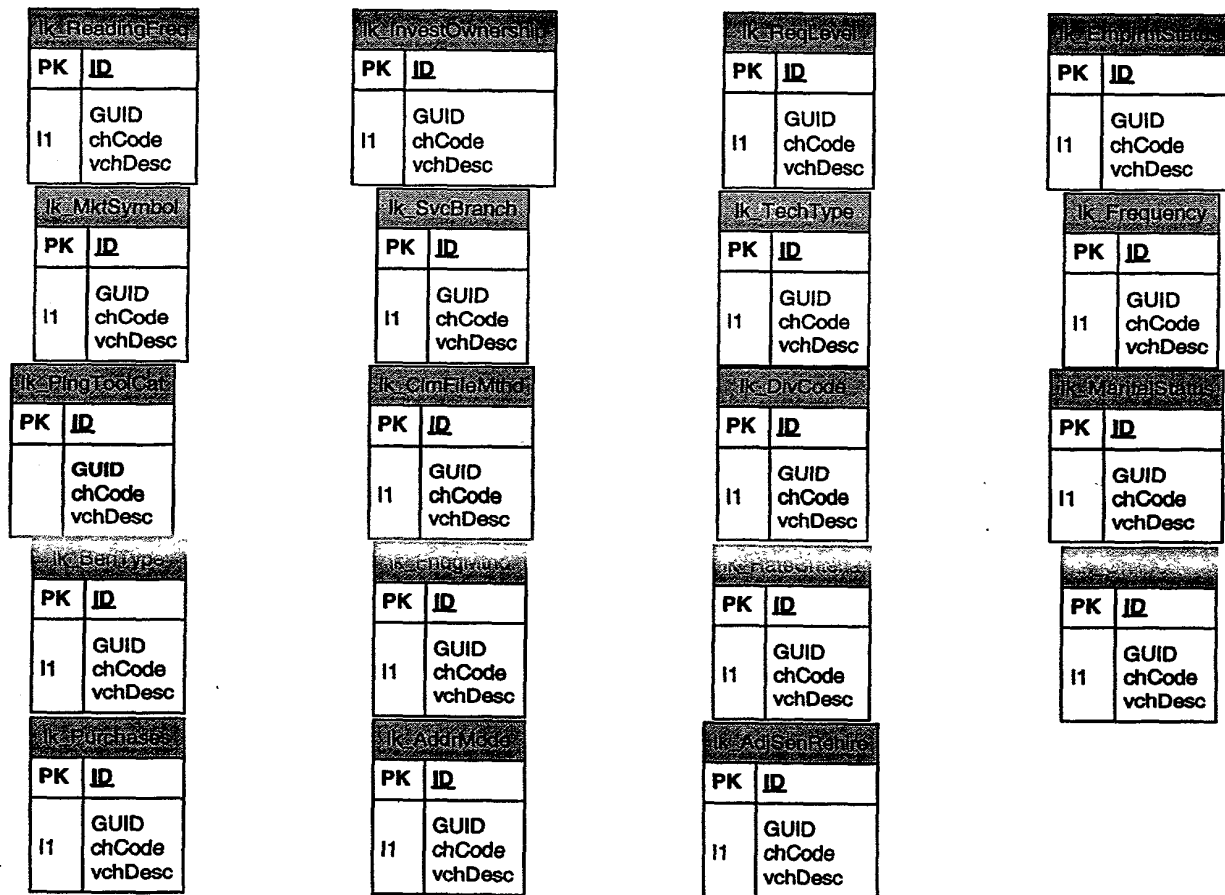


Fig. 26

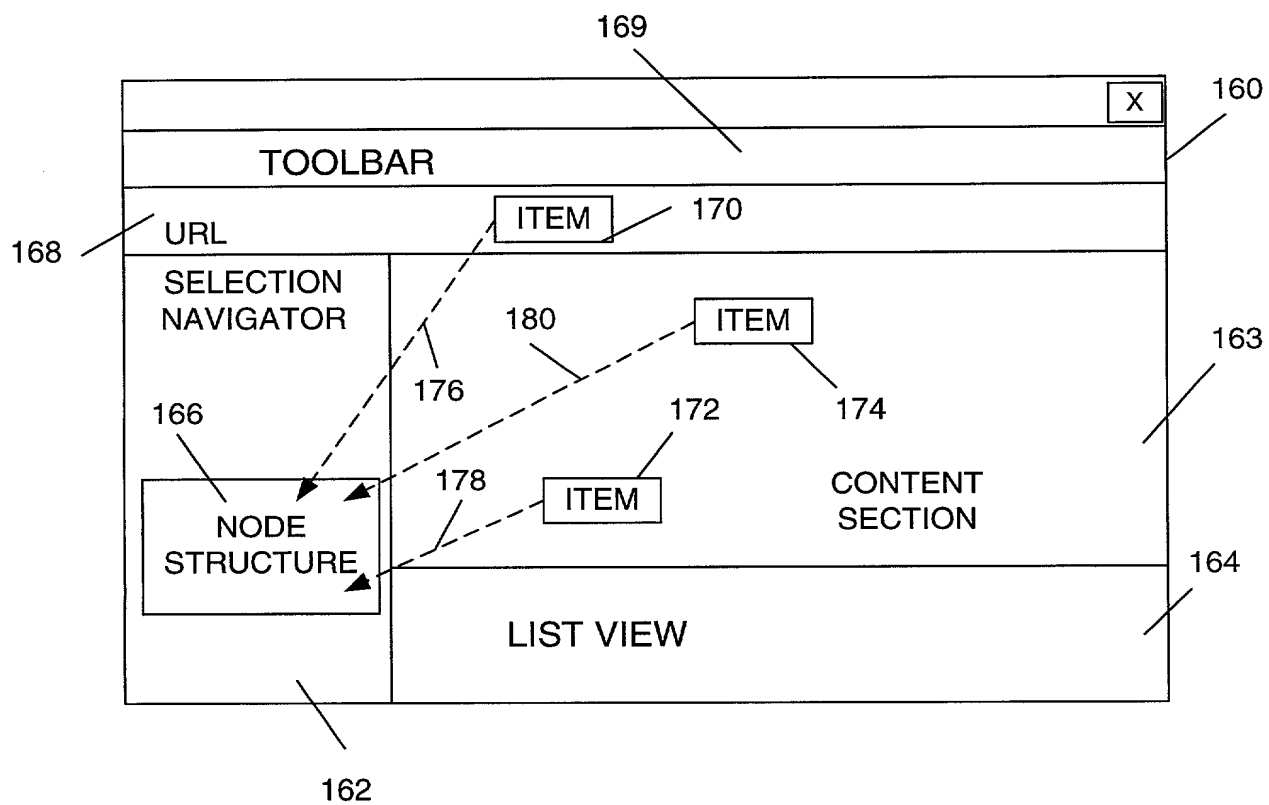


Fig. 27

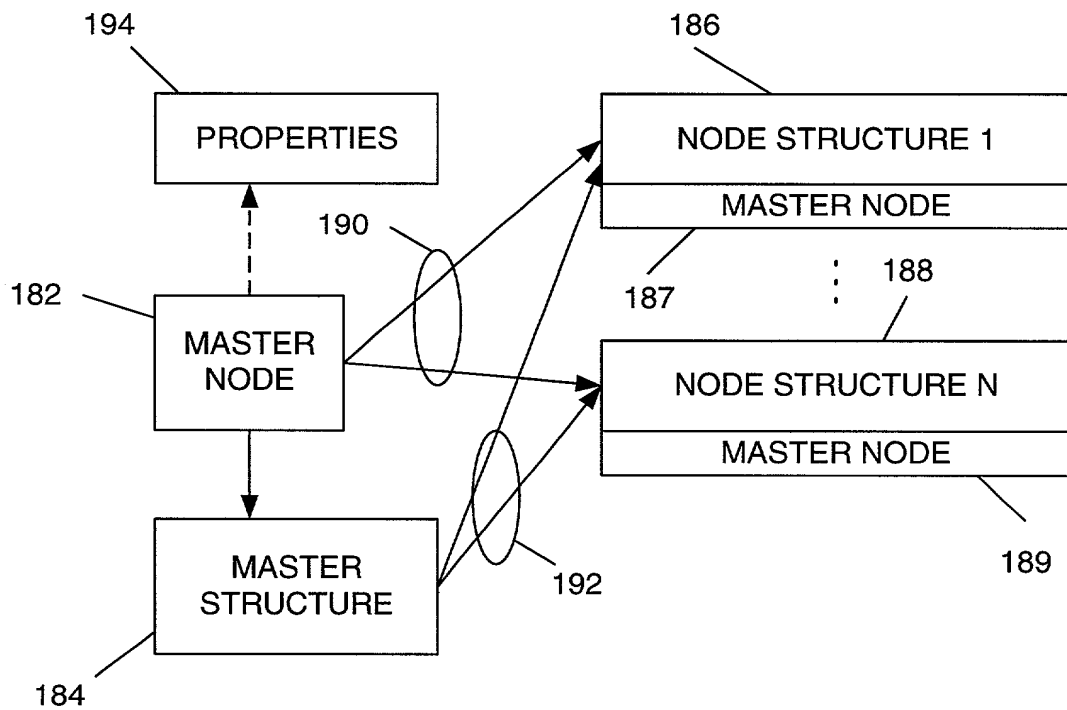


Fig. 28

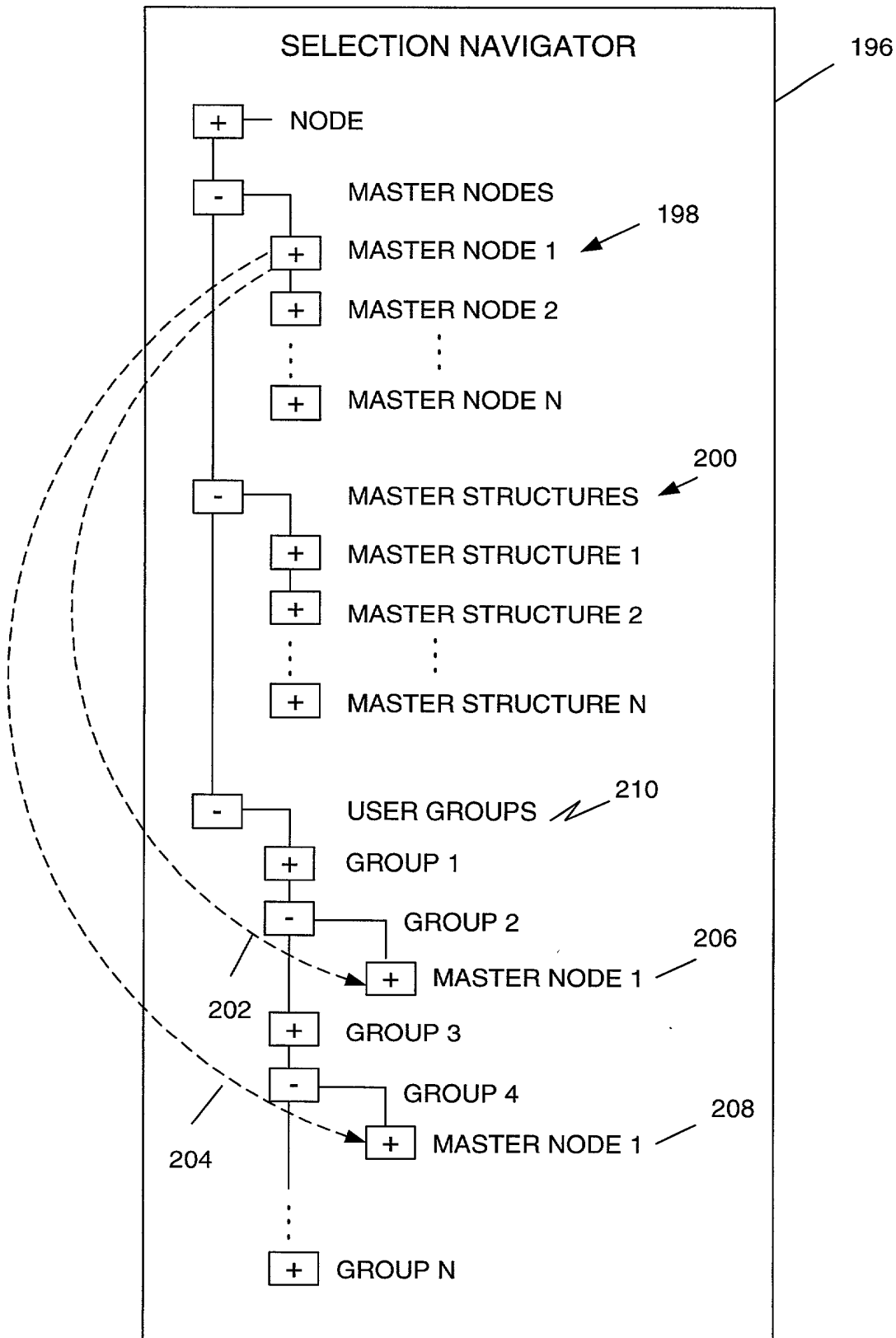


Fig. 29

Title: DYNAMIC CONFIGURATION OF CONTEXT-SENSITIVE
PERSONAL SITES AND MEMBERSHIP CHANNELS

Inventor(s): Jon E. Ramer, et al.

Attorney Docket No.: 11592.02

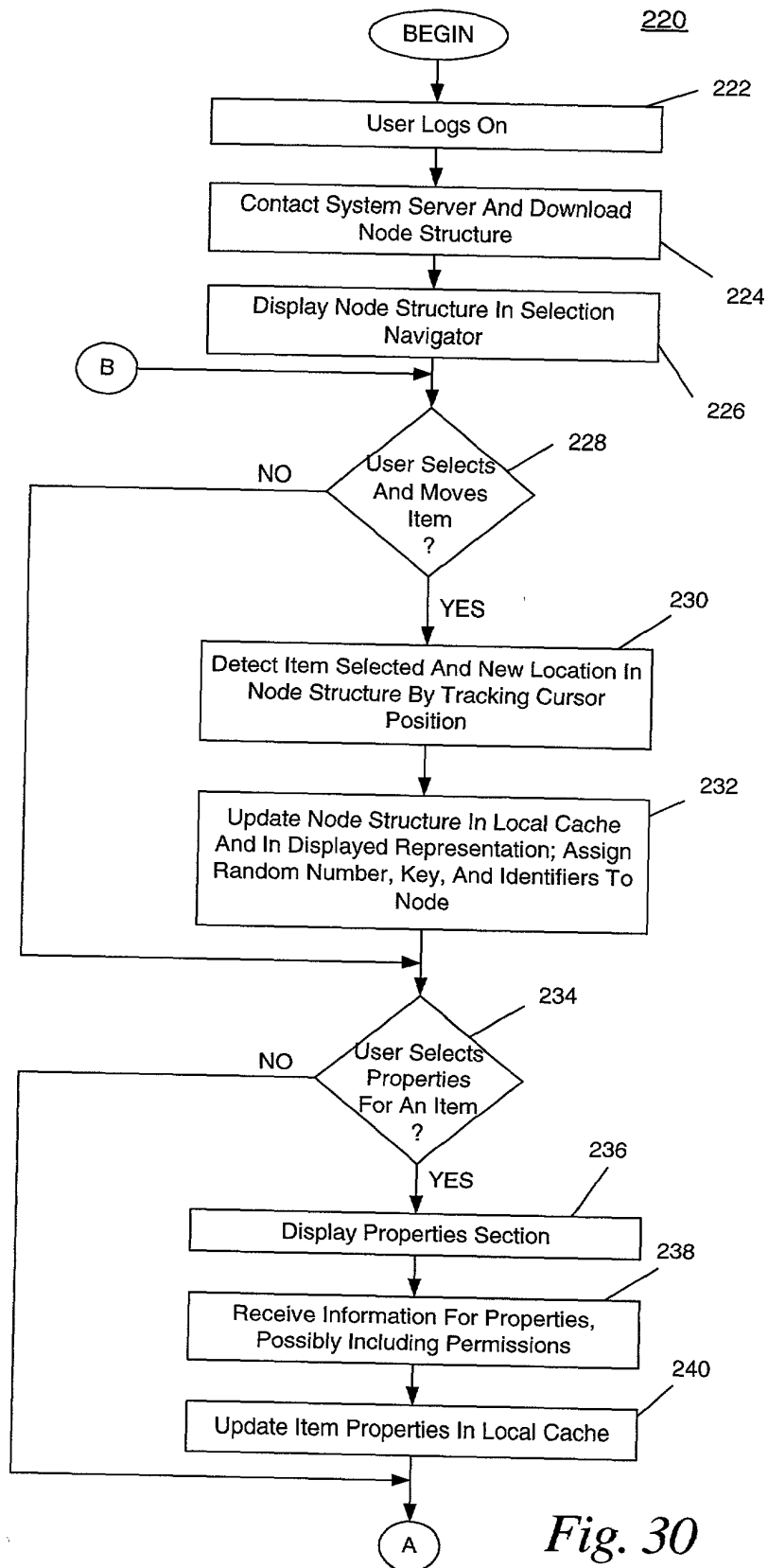


Fig. 30

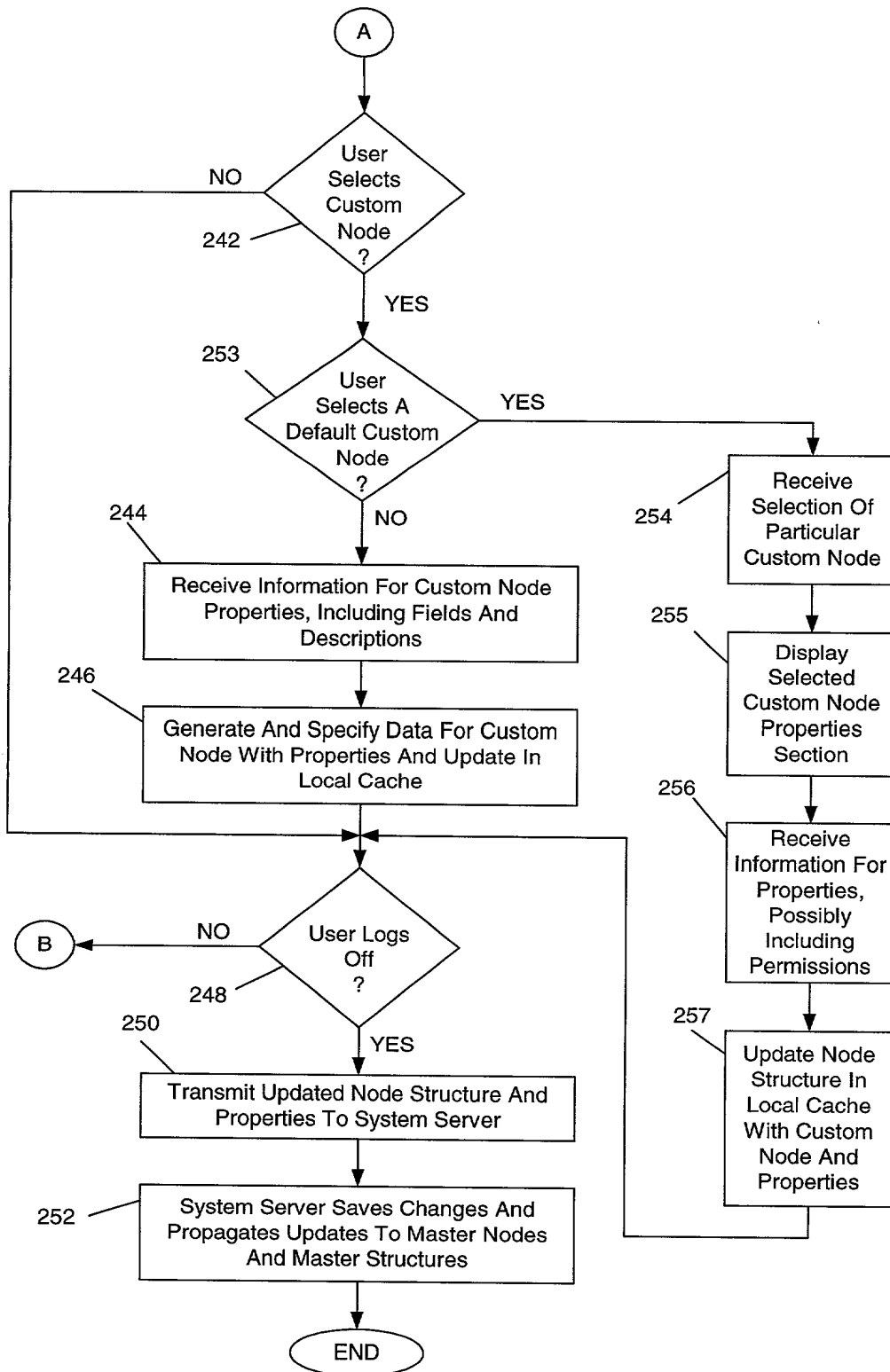
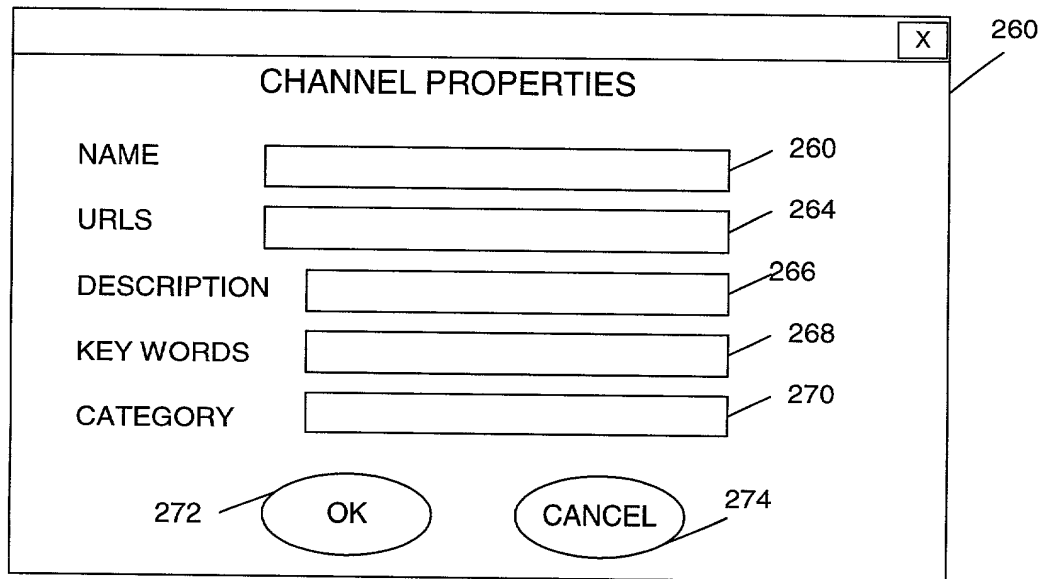


Fig. 31



A screenshot of a software dialog box titled "CHANNEL PROPERTIES". The dialog box has a standard window frame with a close button (X) in the top right corner. Inside the dialog, there are five labeled text input fields: "NAME", "URLS", "DESCRIPTION", "KEY WORDS", and "CATEGORY". Below these fields are two oval buttons labeled "OK" and "CANCEL".

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CHANNEL PROPERTIES

NAME 260

URLS 264

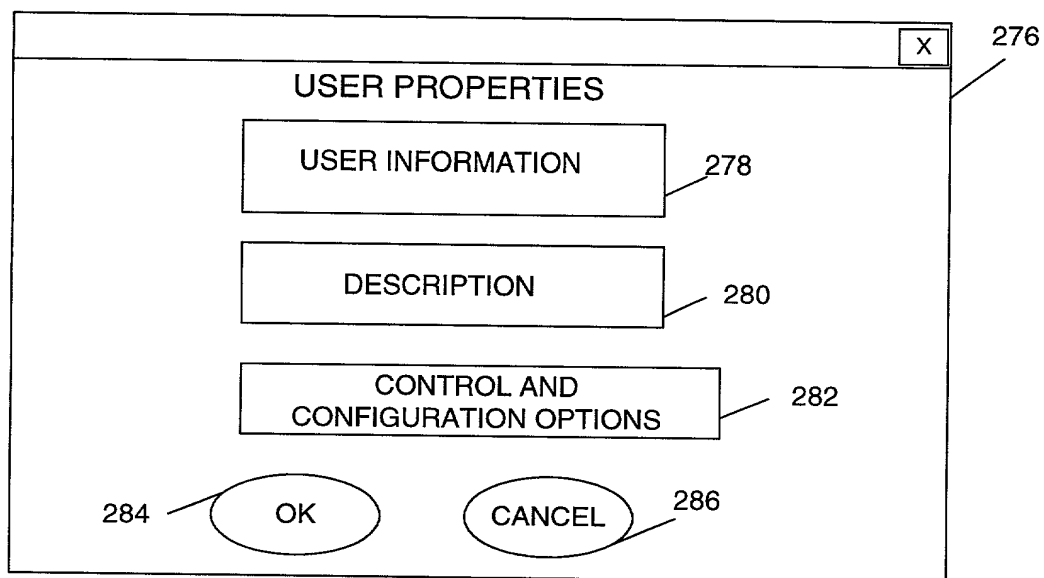
DESCRIPTION 266

KEY WORDS 268

CATEGORY 270

272 OK 274 CANCEL

Fig. 32



A screenshot of a software dialog box titled "USER PROPERTIES". The dialog box has a standard window frame with a close button (X) in the top right corner. Inside the dialog, there are three labeled rectangular buttons: "USER INFORMATION", "DESCRIPTION", and "CONTROL AND CONFIGURATION OPTIONS". Below these buttons are two oval buttons labeled "OK" and "CANCEL".

276

USER PROPERTIES

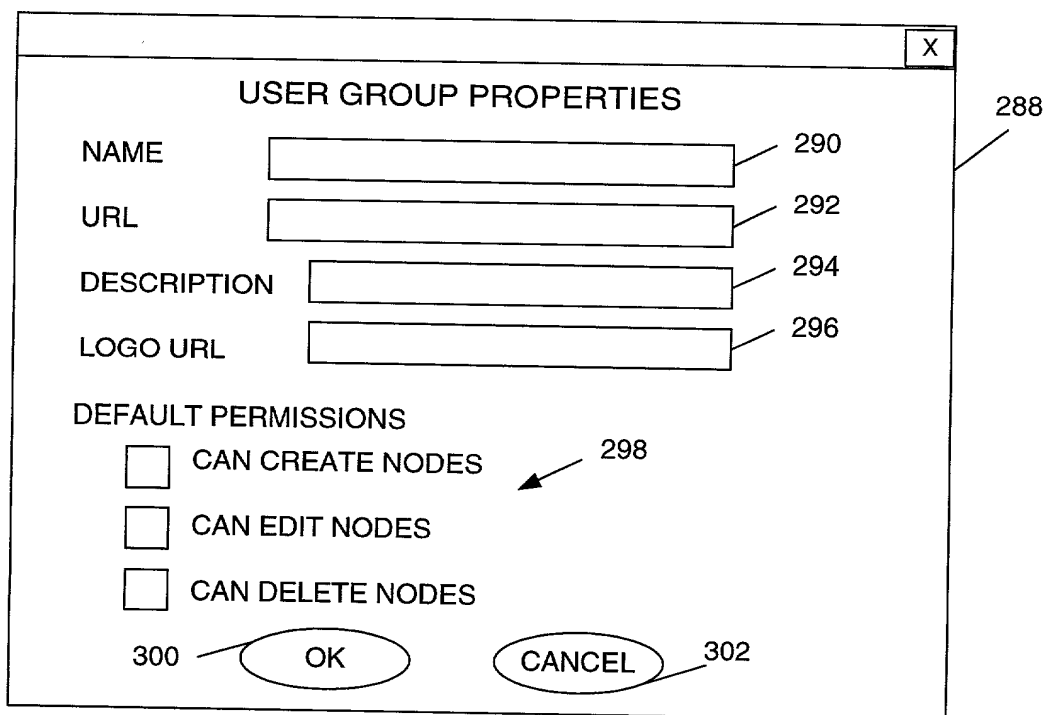
USER INFORMATION 278

DESCRIPTION 280

CONTROL AND CONFIGURATION OPTIONS 282

284 OK 286 CANCEL

Fig. 33



A screenshot of a software dialog box titled "USER GROUP PROPERTIES". The dialog box has a standard window frame with a close button (X) in the top right corner. It contains several input fields and a section for permissions. The fields are labeled "NAME", "URL", "DESCRIPTION", and "LOGO URL", each followed by a text input box. Below these fields is a section titled "DEFAULT PERMISSIONS" which contains three checkboxes, each followed by a label: "CAN CREATE NODES", "CAN EDIT NODES", and "CAN DELETE NODES". At the bottom of the dialog are two buttons: "OK" and "CANCEL". Reference numerals are used to point to specific elements: 288 points to the dialog box frame, 290 points to the NAME input box, 292 points to the URL input box, 294 points to the DESCRIPTION input box, 296 points to the LOGO URL input box, 298 points to the "CAN CREATE NODES" checkbox, 300 points to the "OK" button, and 302 points to the "CANCEL" button.

USER GROUP PROPERTIES

NAME

URL

DESCRIPTION

LOGO URL

DEFAULT PERMISSIONS

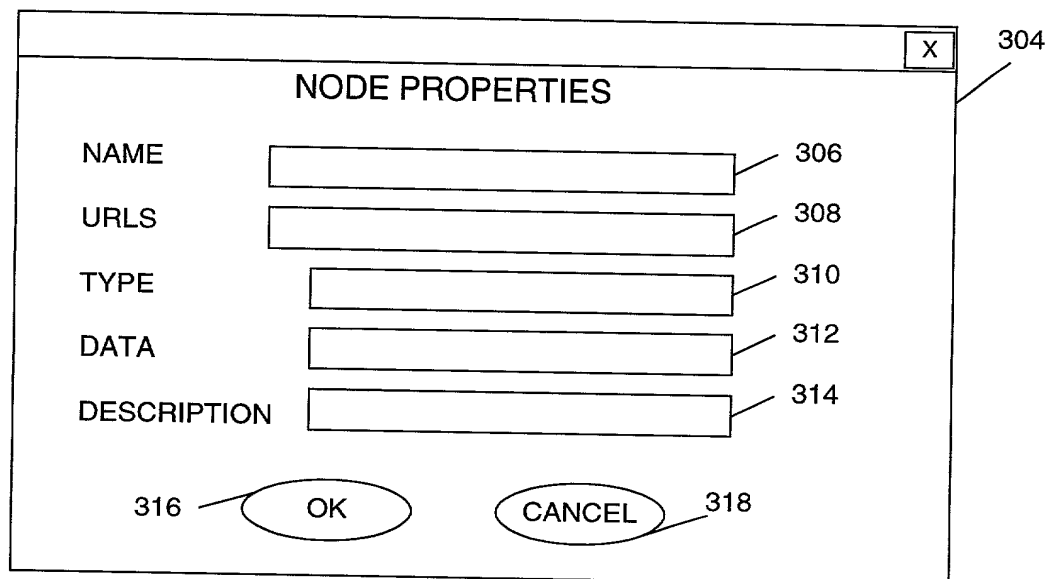
☐ CAN CREATE NODES

☐ CAN EDIT NODES

☐ CAN DELETE NODES

OK CANCEL

Fig. 34



A screenshot of a software dialog box titled "NODE PROPERTIES". The dialog box has a standard window frame with a close button (X) in the top right corner. It contains several input fields for node information. The fields are labeled "NAME", "URLS", "TYPE", "DATA", and "DESCRIPTION", each followed by a text input box. At the bottom of the dialog are two buttons: "OK" and "CANCEL". Reference numerals are used to point to specific elements: 304 points to the dialog box frame, 306 points to the NAME input box, 308 points to the URLS input box, 310 points to the TYPE input box, 312 points to the DATA input box, 314 points to the DESCRIPTION input box, 316 points to the "OK" button, and 318 points to the "CANCEL" button.

NODE PROPERTIES

NAME

URLS

TYPE

DATA

DESCRIPTION

OK CANCEL

Fig. 35

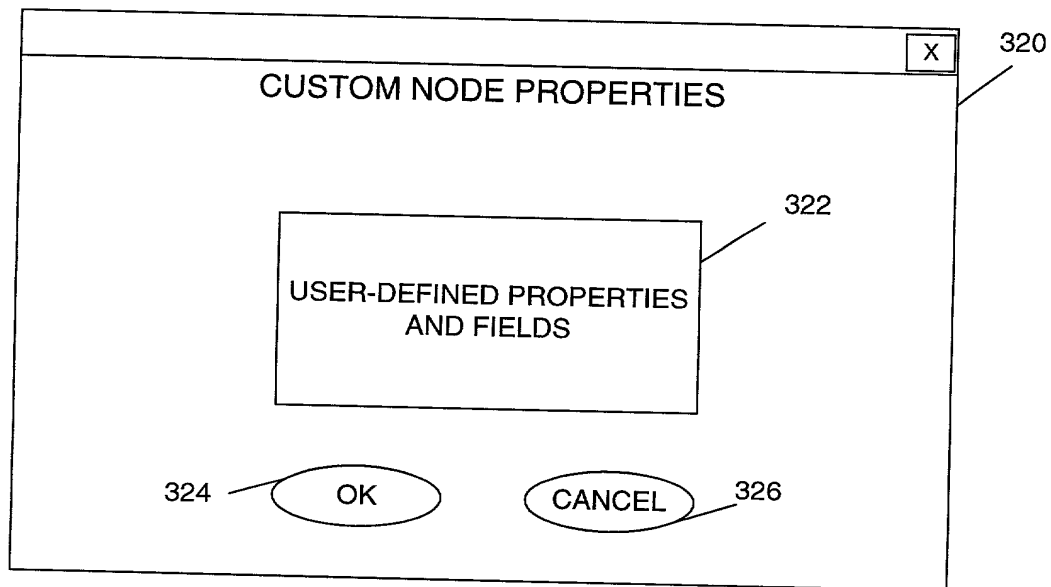


Fig. 36